

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-018605**Date Inspected:** 11-Dec-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Yang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Segment**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. M. Manikandan was present during the time noted above for observations relative to the work being performed.

OBG # TRIAL ASSEMBLY YARD (12AE-12BE)

This QA Inspector along with QA Inspector Mr.Manjunath S Math performed the dimensional survey inspection to verify the root gap and offset on the transverse splice weld of segment 11EE and segment 12AE. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 12AE to Segment 12BE – PP 112 to PP 113

OBG # TRIAL ASSEMBLY YARD (11EE-12AE)

This QA Inspector along with QA Inspector Mr.Manjunath S Math performed dimensional joint survey inspection on the longitudinal diaphragm to verify the offset and sweep using 1000mm straight edge and string line. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 11EE to Segment 12AE – PP 108 to PP 109

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This QA Inspector randomly observed the following work in progress:

OBG # TRIAL ASSEMBLY YARD (11EE-12AE)

The QA Inspector observed the welding operation per the SMAW process on weld joint no. 011 in the (1G) flat position on bottom and side panel piece mark no. SEG074A. The location was the complete joint penetration groove weld joining side and bottom panel of segment 11EE at work point E4. The welder ID was 047353. The welding was performed against welding repair report B-WR18688. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-1G (1F)-FCM-Repair-1.

For additional information please reference the pictures below:

OBG # TRIAL ASSEMBLY YARD (11EE-12AE)

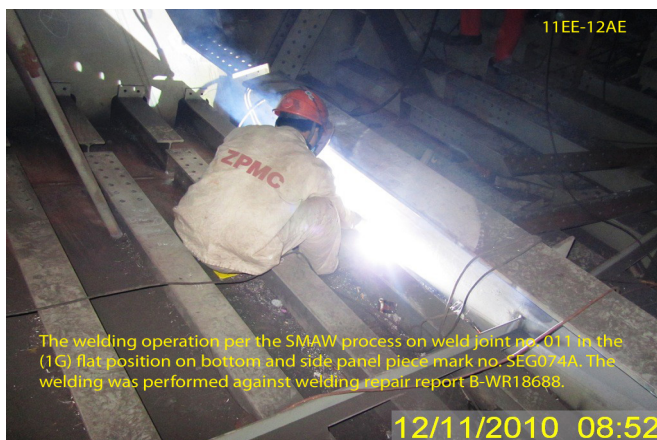
The QA Inspector observed the welding operation per the SMAW process on weld joint no. 016 in the (4G) overhead position on bottom and side panel piece mark no. SEG3001C. The location was the complete joint penetration groove weld joining side and bottom panel of segment 12AE at work point E3. The welder ID was 053871. The welding was performed against welding repair report B-WR18689. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-4G (4F)-FCM-Repair-1.

OBG # TRIAL ASSEMBLY YARD (12AE-12BE)

The QA Inspector observed the welding operation per the SMAW process on weld joint no. 001 in the (3G) vertical position on edge panel piece mark no. OBE12. The location was the transverse splice weld joining segment 12AE and 12BE at work point E5 to E6. The welder ID was 044515. The ZPMC CWI was identified as Li Yang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2213-B-U2-FCM-1.

OBG # TRIAL ASSEMBLY YARD (12AE-12BE)

The QA Inspector observed the welding operation per the SMAW process on weld joint no. 007 in the (3G) vertical position on edge panel piece mark no. CA6502. The location was the transverse splice weld joining segment 12AE and 12BE at work point E2 to E1. The welder ID was 040320. The ZPMC CWI was identified as Li Yang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2213-B-U2-FCM-1.



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Summary of Conversations:

No relevant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Manikandan,Murugan	Quality Assurance Inspector
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Reviewed By:	Peterson,Art	QA Reviewer
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